AL OLA Language School

AL OLA Modern Schools

Math

4th Primary

First Term

Name

Class

Revision

(1) The value and place value :

Number	value	place value
2<u>5</u>3,463	50,000	Ten Thousand

(2) The forms of numbers

* standard form such as 430,502

* The word form four hundred thirty thousand and five hundred two

* Expand form : 2 + 500 + 30000 + 400000

(3) Multiplying by zero and 1

* $0 \times$ any number $= 0$

* $1 \times$ any number $=$ its self

(4) Units of measuring length

*1m = 100 cm

*1 cm = 10 mm

(5) Perimeter, the length of line around the figure

  * Perimeter of triangle = sum of its side lengths

  * Perimeter of square = side length × 4

  * Perimeter of rectangle = (length + width) × 2

(6) Area : the number of square unit forming figure

  * Area of square = side length × side width

  * Area of rectangle = length × width

(7) Multiple and factors

  * Multiple of (2) is : 0 , 2 , 4 , 6 , 8 , 10 , 12 , ...

  * Multiple of (3) is : 0 , 3 , 6 , 9 , 12 , 15 , 18 , ...

  * Multiple of (5) is : 0 , 5 , 10 , 15 , 20 , 25 , 30 , ...

  * Multiple of (10) is : 0 , 10 , 20 , 30 , 40 , 50 , 60 , ...

Note that

- Zero is common multiple of all numbers

- Factors of (3) : $3 \times 1 \longleftrightarrow 1 \times 3$

- Factors of (12) : $1 \times 12 \longleftrightarrow 3 \times 4 \longleftrightarrow 6 \times 2$

* One is common factor of all numbers

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(1) The digit as 0 , 1 , 2 , 3 , 4 , 5 , 6 , 7 , 8 , 9

(2) The number formed from digit or more as : 6 , 9 , 3 , 4 , 5 , 6,517

(3) Numeral as 3 , 49 , twelve , ... four hundreds

(4) Estimation as   423   400

562   500

(5) Rounding as   126   100 nearest hundred

36,873   37000 nearest 1000

Q1: Complete:

(1) 10 times of ten thousand is ....

(2) 9 in tens is ....

(3) 50 thousands = ...

(4) 80 millions = ... thousand

(5) 7 , 607 , 563 , 100 = ... milliard + ... million + ...

thousand + ...

(6) Place value of zero in 604321 is ....

(7) 5 , 707 $\longrightarrow$ ....   (Estimate)

(8) The place value of digit 5 in 350 , 678 , 102 = ...

(9) (5 tens and 8 ones) × 10 = ...

(10) 5,832 ≈ ....   (to the nearest thousand)

Q2: Compare and put < , > or = :

(1) 22,999 ☐ 23,410   (2) 101,345 ☐ 111,223

(3) 4,891 ☐ 4890   (4) 25,321 ☐ 25 thousand , 321

Q3:

(a) Use the following numbers to find the greatest and the smallest numbers

(2 , 8 , 0 , 4 , 6)

The greatest:.....................

The smallest : ....

(b) Convert to the expanded form

89 million , 645 thousand , 840

....

(c) Use any strategy to find the result of the following

(1) 684 + 486 = ...

(2) 752 – 189 = ...

Q4: Find by using midpoint strategy :

723 (to nearest hundred) ≈ ....

800 ●

..... ●

700 ●

Unit (2)
Addition and subtraction strategies

Subtraction strategy :

(1) 453 – 235

$$200 + 3 + 5$$

-5   -30   -200

218   223   253   453 (greatest no.)

(2) 864 – 521

smallest +300   +40   +3
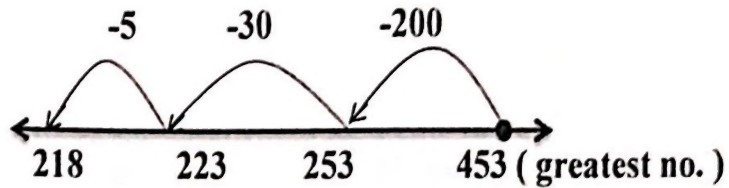
The result (3 + 40 + 300)

= 343

521   821   861   864
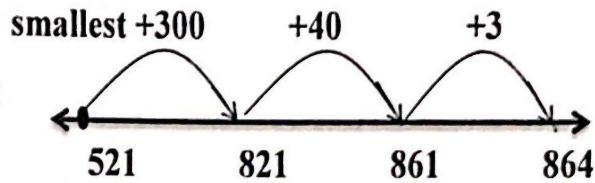
Q1: Find the result (using the given strategy)

(1) 1420 + 230 = ...   (Rounding)

(2) 6433 – 501 = ...   (Estimating)

(3) 199 + 35 = ...   (compensate.)

(4) 368 – 118 = ...   (compensate.)

(5) 902 – 899 = ...   (counting up)

(6) 2549 – 1367 = ...   (counting up .)

(7) 6748 – 3141 = ...   (counting back.)

(8) 71921 + 1012 = ...   (Add to subtract.)

Q2: Use the Bar Models to find X :

(1) X + 3 = 7

(2) X – 2 = 9

(3) 3 + 9 = X

(4) 19 – X = 5

{ 5 }

Q3: Complete:

(1) 2 + ... = 2   (.................property)

(2) 131 + 123 = 123 + ...   (................. property)

(3) (169 + 11) + 23 = ... + ... = ...(...............property)

Q4: Find the result by regrouping:

$$
\begin{array}{r}
21671 \\
(1) + 4012 \\
\hline
\ldots\ldots\ldots\ldots
\end{array}
\qquad
\begin{array}{r}
41231 \\
(2) + 96131 \\
\hline
\ldots\ldots\ldots\ldots
\end{array}
$$

(3) 911231 + 1467 = ...   (4) 897410 – 19865 = ...

$$
\begin{array}{r}
17461 \\
(5) - 5612 \\
\hline
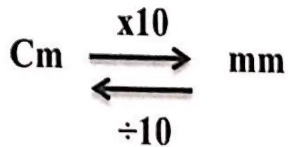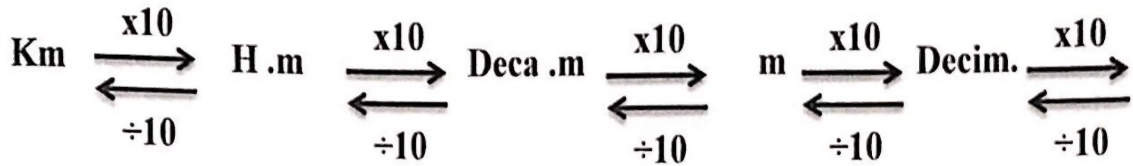\ldots\ldots\ldots\ldots
\end{array}
$$

Q5: Story problems:

Ali bought a shirt for 260 L.E, trousers for 430 L.E and a shoes for 330 L.E

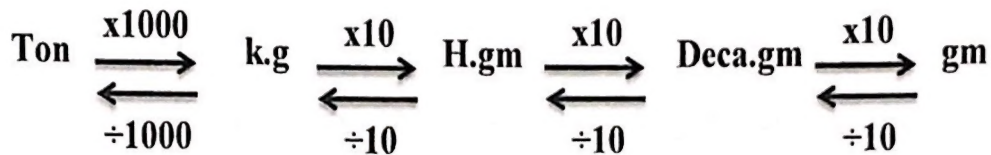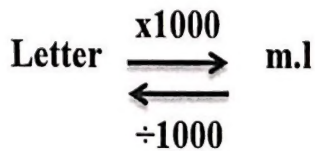If Ali has 1300 pounds, find the remaining money with Ali.

....

(1) Units of measuring length

$$Km \xrightarrow{x10} \xleftarrow{\div 10} H.m \xrightarrow{x10} \xleftarrow{\div 10} Deca.m \xrightarrow{x10} \xleftarrow{\div 10} m \xrightarrow{x10} \xleftarrow{\div 10} Decim. \xrightarrow{x10} \xleftarrow{\div 10}$$

$$Cm \xrightarrow{x10} \xleftarrow{\div 10} mm$$

(2) Units of measuring weight

$$Ton \xrightarrow{x1000} \xleftarrow{\div 1000} k.g \xrightarrow{x10} \xleftarrow{\div 10} H.gm \xrightarrow{x10} \xleftarrow{\div 10} Deca.gm \xrightarrow{x10} \xleftarrow{\div 10} gm$$

(3) Capacity

$$Letter \xrightarrow{x1000} \xleftarrow{\div 1000} m.l$$

Q1: Complete:

(1)

140 cm	
.... m	.... cm

3,591 kg	
.... gm	.... km

(2) 300 cm = ... m = ... dm

(3) 5m = ... cm = ... mm

(4) 8261 kilogram = ... kilogram , ... gram

(5) 7,008 kiloliter = ... kiloliter , ... liter

(6) 3 days , 24 hours = ... hours

(7) 3 weeks , 3 days = ... days

(8) 5 minutes , 12 seconds = ... seconds

(9)

.... : ....
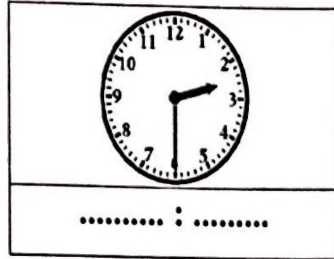
(10)

.... : ....
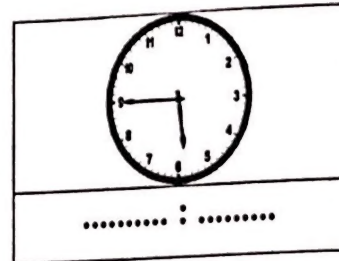
Q2: Story problems

Yara starts the basketball training at 8 : 45 o'clock and she take one hour and 25 minutes in her training. When she finish the training ?

The time which she finished : ....

Q3: Subtract :

(1) 9 hours : 20 minutes – 5 hours : 45 minutes = ...

Q4: Choose the correct answer:

(1) 3 hours = ... minutes   (30 , 60 , 90 , 180)

(2) 7 kg m and 300 gm = ...

(7,30 gm , 7300 gm , 73 kg , 3,700 gm)

(3) 3m + 520cm = ... cm   (820 , 82 , 8200 , 90)

(4) 725 Tons = ... kg m   (7250 , 72500 , 725000 , 1000)

(5) $\frac{1}{2}$ of a day = ... hours   (12 , 6 , 3 , 24)

---------------------------(8)---------------------------

(6) Two weeks and 7 days = ... days (15 , 21 , 24 , 30)

(7) Litre = ... mililitre (10 , 100 , 1000 , 10000)

(8) 1 hour and half = ... minutes (45 , 90 , 75 , 60)

(9) The capacity of a cub of tea , approximately equal ....

(100 L , 200 L , 200 m.l , 20 L)

(10) One of units of measuring length is .... (meter , kg m , Ton , liter)

Unit (4)

(1) **Rectangle :** is Quadrilateral figure that has

(a) every two opposite sides equal in length and parallel .

* Perimeter of rectangle = sum of its sides length

(length + width + length + width)

=(2 × length + 2 × width) = 2(length+ width)

* Area of rectangle : the number of square units forming figure

(length × width)

(2) **Square:** is Quadrilateral figure all sides equal in length

* Perimeter of square : sum of its sides lengths side= length × 4

(3) Find missing dimension of rectangle

Length of rectangle = (perimeter ÷ 2) – width

Width of rectangle = (perimeter ÷ 2) – length

(4) Find side length of square

Length = perimeter ÷ 4

Length = the number if multiply by itself given area

Q1: Choose the correct answer :

(1) Which of the following perimeter of rectangle ....

(length × width , (length + width)x2 , 2 × length , 2 × width)

(2) Rectangle its length 7cm and width 5cm then its perimeter .... cm (13 , 3.5 , 24)

(3) Square its side length 6 cm then its perimeter .... cm (18 , 3.6 , 24)

(4) The area of rectangle = ...   (L × w , L − w , L + w)

(5) The side length of square 7 mm then its area = ... mm^2 (28 , 49 , 14)

(6) Rectangle its length 8 cm and its width 4 cm then its area = ... cm^2 (24 , 12 , 32)

(7) Rectangle its perimeter 60 cm and its length 20 cm then its width ... (3 , 10 , 40)

(8) Square its perimeter 40 cm then its side length = ... cm   (9 , 10 , 20)

(9) Square its area 36 cm^2 then its side length = ... cm   (18 , 6 , 9)

(10) The perimeter of square = L × ....   (4 , 2 , 3)

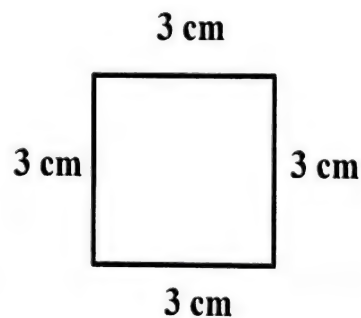
Q2: Complete:

(1) Rectangle its length 5 cm and width 3 cm then its perimeter = ...

(2) Square its side length 6 cm then its perimeter = ...

(3) Area of square = ... × ....

(4) Area of rectangle = (L + ...) × 2

(5) Find the area and perimeter of following figure

8 cm

4 cm

3 cm

3 cm   3 cm

3 cm
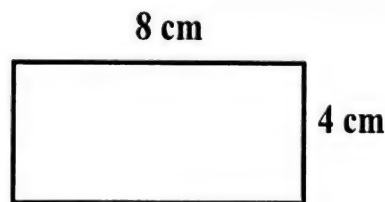
The perimeter = ...   The perimeter = ...

The area = ...   The area = ...

Q1: Choose the correct answer:

(1) The multiplicative identity is ....   (0 , 1 , 10 , 100)

(2) 999 × 0 = ...   (0 , 1 , 999 , 1000)

(3) 6 + 6 + 6 = 6 × ....   (6 , 12 , 3 , 4)

(4) 5 times of number 4 = ...   (5 , 4 , 9 , 20)

(5) 6 × 100 = ...   (6 , 60 , 600 , 6000)

(6) 8 × 30 = ...   (30 , 24 , 300 , 240)

(7) If 5 × 3 = a , then a equals 5 times of ....   (3 , 5 , 8 , 35)

(8) (4 × 5) × .... = 4 × (5 × 9)   (9 , 5 , 4 , 45)

(9) 50 × 7 = ...   (50 , 7 , 350 , 3500)

Q2: Complete:

(1) 100 × 5 = ...

(2) .... × 9 = 90

(3) 9 × 0 = 0   (...................property)

(4) (2 × 3) × 4 = 2 × (3 × 4)   (................... property)

(5) 7 × 3 = 3 × 7   (...................property)

Q3: Story problems

(a) Hany bought 100 pieces of cake for a party , if the price of one piece 15 L.E . How much money did Hany pay ?

....

(b) 6 friends bought 2 balloons each in one day , then How many balloons they will buy in a week ?

....

(1) One is common multiple for all numbers .

(2) One is common factor between two prime numbers .

(3) Multiple of numbers is product of multiply number by (0 , 1 , 2 , 3 , 4 , ...)

(4) Zero is common multiple of all number except itself .

(5) The product of any two numbers is one of common multiple for them .

Q1: Choose the correct answer:

(1) The common factors of all numbers .... (6 , 4 , 3 , 1)

(2) The smallest prime number .... (0 , 1 , 2 , 3)

(3) The smallest odd prime number .... (0 , 1 , 2 , 3)

(4) The number 24 one of its factor .... (2 , 5 , 10 , all of them)

(5) The highest common factor between 5 , 7 is .... (1 , 2 , 5 , 35)

(6) The prime number just after 11 is .... (12 , 13 , 14 , 19)

(7) The number .... is multiple of 6 (1 , 12 , 16 , 28)

(8) The number 27 is common multiple of ....

{ (9 , 2) / (3 , 9) / (5 , 3) / (3 , 6) }

(9) The number 10 is common multiple of ....

{ (11 , 8) / (9 , 6) / (5 , 2) / (5 , 3) }

(10) The number ...... is common multiple of all number except itself (0 , 1 , 2 , 3)

Q2: Complete:

(1) The prime number just comes after 13 ....

(2) All prime number even except ....

(3) Factors of number 1 is ....

(4) The smallest odd prime number ....

(5) The prime number sum of its factors 14 is ....

Q3: Underline the prime number :

2   7   25   29   34   57

Q1: Choose the correct answer:

(1) The product of $13 \times 4 =$ ....   (32 – 27 – 43 – 52)

(2) The number multiplied by 9 , the result 99 is ....   (10 , 100 , 11 , 19)

(3) School has 8 classes , each class has 25 student , then the total number of student = ...   { (8 × 25) , (25 – 8) , (25 + 9) , (25 ÷ 8) }

(4) Ahmed buy 5 bags, if the price of one bag is 66 L.E , then the price of 5 bags = ... L.E   (71 , 210 , 330 , 400)

(5) The product of $3 \times (6 + 60 + 600) =$ ....   { (18 × 3) , (1800 + 180 + 18) , (1800) , (190) }

(6) $9 \times (7 + 50 + 300) = (9 \times 7) + (........ \times ....) + (9 \times 300)$ { (50 × 7) , (9 × 5) , (9 + 50) , (50 × 9) }

(7) If $a \times (6 + 30 + 400) = (5 \times 6 + (5 \times 30) + (5 \times 400)$, then a = ...   (6 , 2 , 5 , 3)

(8) 16×14 10×14 (< , > , =)

(9) $34 \times 65 =$ ....   { 1220 , (1200 + 20) , 2120 , (2000 + 200 + 10) }

(10) $15 \times$ .... = 1500   (10 , 100 , 15 , 1)

(11) Which of the following multiply by (distribution) to 40×56

    (a) $(2 \times 6) + (40 \times 6) + (2 \times 50) + (40 \times 50)$

    (b) $56 \times (20 + 4)$ (c) $40 (6 + 50)$ (d) $(2 \times 6) + (20 \times 4)$

(12) $6 \times (6 + 40 + 300) = 6 \times$ ....   (436 , 346 , 46 , 364)

(13) 5×635 $5 \times (5 + 30 + 600)$ (< , > , = , otherwise)

(14) $6 \times (40$ tens $+ 40$ hundreds $) =$ ....   (640 , 26400 , 264 , 840)

(15) $8 \times$ .... = 160   (10 , 20 , 30 , 40)

Q2: Complete:

(1) $4 \times 39 = (4 \times 9) + (4 \times$ ....)

(2) By using multiplying strategies to find $6,421 \times 6 =$ ....

(3) $4, 16 , 64 ,$ .... , ... , ...

(4) $60 \times 65 = a \times 60 + 3,600$, then a = ...

(5) The place value of 8 in the number 8,076 ....

The order of operation :

(1) Find the operation in side brokers.

(2) Multiplying and division from left to right.

(3) Adding and subtraction from left to right .

Q1: Choose the correct answer:

(1) The multiplication of 48×9 is ....   (500 , 5000 , 288 , 432)

(2) $5 \times 2 + 4 =$ ....   (9 , 18 , 10 , 14)

(3) The value of $6 \times 12 \div 8 + 3 =$ ....   (12 , 13 , 20 , 58)

(4) $3800 \div 100 =$ ....   (218 , 38 , 308 , 58)

(5) If $a + 5 \times 6 = 38$ then $a =$ ....   (6 , 8 . 9 . 10)

(6) The value $3 + 3 + 3 \div 3 =$ ....   (3 , 9 , 1 , 7)

(7) $14 + 6 \times (10 \div 10) =$ ....   (12 , 64 , 10 , 20)

(8) The value of $90 - 6 + 2 \times 8 =$ ....   (100 , 120 , 16 , 84)

(9) Ahmed bought pencils for 35 pounds , then he bought a book for the

     double of the price of the pencils , then he paid ......   (70 , 15 , 105 , 35)

(10) $13 + 7 - 25 \div 5 =$ ....   (12 , zero , 15 , 25)

Q2: Complete:

(1) Multiply $62 \times 19 =$ ....

(2) $80 + 8 \times 10 =$ ....

(3) $(5 + 7) \div 2 =$ ....

(4) If $3 \times 0 + X = 8$, then $X =$ ....

(5) $8 + (15 \div 3) - 5 \times 2 =$ ....